

Summary of DAT Conference Call 1/23/2008

Participants: EChappell(DWR), JSpeegle(FWS),
JWhite(DFG), AChu(DWR), BOppenheim(NOAA),
BPoytress(FWS), LShih(CCWD), LBartoo(FWS),
FBrewster(SCVWA), TBoardman(SLDMWA),
BFujimura(DFG), NHindman(FWS), JAdib-
Samii(DFG), DFullerton(MWD), DAbellon(DWR),
KTotzke(KCWA), PJohnsen(FWS),
RShahcheraghi(DWR)

Conclusions and Recommendation

Juvenile Chinook catch decreased at Knight Landing but remains high in the Delta monitoring.

In compliance with the Wanger Interim Remedial Order the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) on January 7th. This action will continue until there is evidence of spawning. Under Action 1.B.3.b(1) the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average.

No operational changes were recommended at this time.

Next DAT Conference Call Tuesday, 1/29/2008, 9:00 am - 11:00 am. 916/657-4111.

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam – Winter-run Chinook passage decreased again averaging 278 per day in the last week. So far passage this season is 1.48 million.

No late-fall Chinook were caught and spring-run passage averaged 225 per day. Fall Chinook passage decreased averaging 70,600 per day. Steelhead passage increased slightly averaging 38 per day. FWS has also been catching both adclipped Chinook and steelhead. Flows at Bend Bridge are stable averaging 5,600cfs.

FWS released approximately 640,000 adclipped steelhead on the Sacramento River at Bend Bridge

from 1/8 to 1/16.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php.

Mill Creek – DFG caught 8 yearling and 17 fry Chinook since the trap was reset on January 14th. They also caught one juvenile steelhead. Flows are low averaging 150cfs.

Deer Creek – The trap site was filled in with cobble during the large storm. DFG will not sample until a new site is secured.

Butte Creek – No update.

GCID – DFG pulled the rotary screw trap on 1/17 and 1/19 for repairs. For the other days the catch of older juvenile Chinook ranged from 1 to 3 per day. The catch of fry Chinook increased ranging from 7 to 91 per day. The catch of adclipped Chinook also increased ranging from 1 to 42 per day. DFG also caught 44 adclipped steelhead.

Knights Landing – Catch of Chinook continued decreasing in the last week. The catch of older juvenile Chinook ranged from 0 to 9 per trap day. The catch of fry/smolt Chinook dominated the catch ranging from 3 to 126 per trap day. DFG also caught 25 adclipped Chinook, 1 in-river steelhead, and 52 adclipped steelhead.

Delta Monitoring

In the last week, the catch of Chinook decreased in the Sacramento trawl but remained high in the beach seining. The catch of splittail increased at Chipps Island and the catch of delta smelt decreased.

Sacramento Kodiak Trawl - 3 sample days, 30 samples. FWS caught 7 older juvenile, 50 fry/smolts, and 7 adclipped Chinook. They also caught 6 adclipped steelhead.

Lower Sacramento River seine – 1 sample day, 3 samples. FWS caught 4 older juvenile, 61 fry/smolts and 1 adclipped Chinook but no other species of

interest.

Sacramento Area seine – 1 sample days, 7 samples. FWS caught 5 older juvenile and 176 fry/smolts Chinook.

North Delta seine - 1 sample day, 5 samples. FWS caught 109 fry/smolts and no other species of interest.

Central Delta seine - 1 sample day, 8 samples. FWS caught 36 fry/smolts Chinook and 1 splittail.

South Delta seine - 1 sample day, 3 samples. FWS caught 2 fry/smolt Chinook and no species of interest. This is the first time this season that Chinook have been caught in the South Delta seine.

Mossdale Kodiak Trawl - 3 sample days, 23 samples. No species of interest.

San Joaquin River seine - 2 sample days, 10 samples. No species of interest.

Chippis Island Midwater Trawl - 3 sample days, 35 samples. FWS caught 4 older juvenile and 31 adclipped Chinook. They also caught 38 splittail and 3 delta smelt. The delta smelt did not express any milt or eggs when checked.

Bay seine - 1 sample day, 4 samples. No species of interest.

Delta Action 8 – As part of the Delta Action 8 experiment FWS released approximately 70,000 Coleman late-fall Chinook in Georgiana Slough on 1/17. They also released approximately 36,500 at Ryde on 1/18 and approximately 12,000 at Benicia/Port Chicago on 1/22.

Spring-run Surrogates – The first spring-run surrogate release of Coleman Hatchery late-fall Chinook was made in late November. So far the expanded loss at the Delta Fish Facilities is 15 or 0.01% of the total release. The second spring-run surrogate release of approximately 83,600 Coleman late-fall Chinook was released on January 14th in Battle Creek.

Winter-run Chinook Release – FWS will release winter-run Chinook from Livingston Stone NFH on the Sacramento River at Caldwell Park on January 31st. They will release approximately 72,000 winter-run Chinook this year which is the smallest release size since 2000.

Delta Smelt Monitoring

Spring Kodiak Trawl – DFG will begin the second SKT survey on February 4th.

Judge Wanger's Order – the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) on January 7th. This action will continue until there is evidence of spawning. Under Action 1.B.3.b(1) the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average. The operators anticipate this action will last for quite some time as spawning is not expected to start until water temperatures increase to at least 12C.

Salvage Facilities –

Chinook – Both Facilities salvaged adclipped Chinook on daily basis last week. CVP also lost 12 winter-run length Chinook for a season loss of 21. SWP lost 77 winter-run length Chinook in the last week for a season total of 94. The combined loss of (non-clipped) winter-run Chinook is 115 so far this season.

Steelhead – CVP salvaged the first steelhead of the season last week. CVP salvaged 12 in-river steelhead and 12 adclipped steelhead. The combined salvage of in-river steelhead is 12 so far this season. The reconsultation level for the combined salvage of in-river steelhead is 3000.

Delta smelt – SWP salvaged 6 delta smelt on 1/17. The observed delta smelt was 34mm in length, which is small for this time of year. The combined salvage of delta smelt is 10 so far this season.

Splittail – Both facilities salvaged splittail in low numbers in the last week. SWP salvaged 42 splittail

for a season total of 110. CVP salvaged 4 splittail for a season total of 60.

Longfin smelt – None.

Sturgeon – None.

The DFG Salvage Database is available on the DFG ftp site (<ftp://ftp.delta.dfg.ca.gov/salvage/>).

Operations

SWP -

CCFB – 3,500cfs.

Oroville – 1,450cfs

X2 - < 81 km

E/I - 14-day ~27%

San Luis - ~719taf. SWP share of San Luis capacity is 1,062 taf.

CVP -

Jones PP – 2,700cfs. CVP will increase pumping to 3,700cfs tomorrow, 1/24.

DCC - closed.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 3,500cfs.

Nimbus – 1,000cfs

Goodwin – 225cfs

San Luis - ~724taf. CVP share of San Luis capacity is 966 taf.

Flows

Sacramento River at Freeport ~ 14,095cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 1,541cfs

Delta Outflow ~ 15,078cfs. The 7-day average is 11,280cfs.

Old & Middle River flow ~ for 1/22, the daily average is -4357cfs and the 7-day average is -3510cfs.

Temperature – (daily average – 1/22)

Antioch ~ 8.5C

Rio Vista ~ 8.4C

Mossdale ~ 9.6C

3-Station Average ~ 8.8C

Delta Water Quality

Since December 28, the Delta is in excess conditions due to OMR fish action objective. Salinity levels are okay in the western Delta but operators are watching levels in the South Delta which have increased slightly.

January Water Quality Standards –

Delta Outflow – monthly average $\geq 4,500$ cfs, 7-day average $\geq 3,500$ cfs.

Delta Cross Channel – The gates may be closed for up to 45 days for the protection of Chinook between November 1st and January 31st.

E/I Ratio – 65%

Contra Costa Canal – CI ≤ 250 mg/L. In addition, CI ≤ 150 mg/L for 165 days per year. This portion of the standard was met in 2007 and started again January 1, 2008.

South Delta – 30-day average EC ≤ 1.0 .

Suisun Marsh - ≤ 12.5 mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://www.woco.water.ca.gov/calfedops/datsummaries.html>.

Erin Chappell

Environmental Scientist

DWR-DES

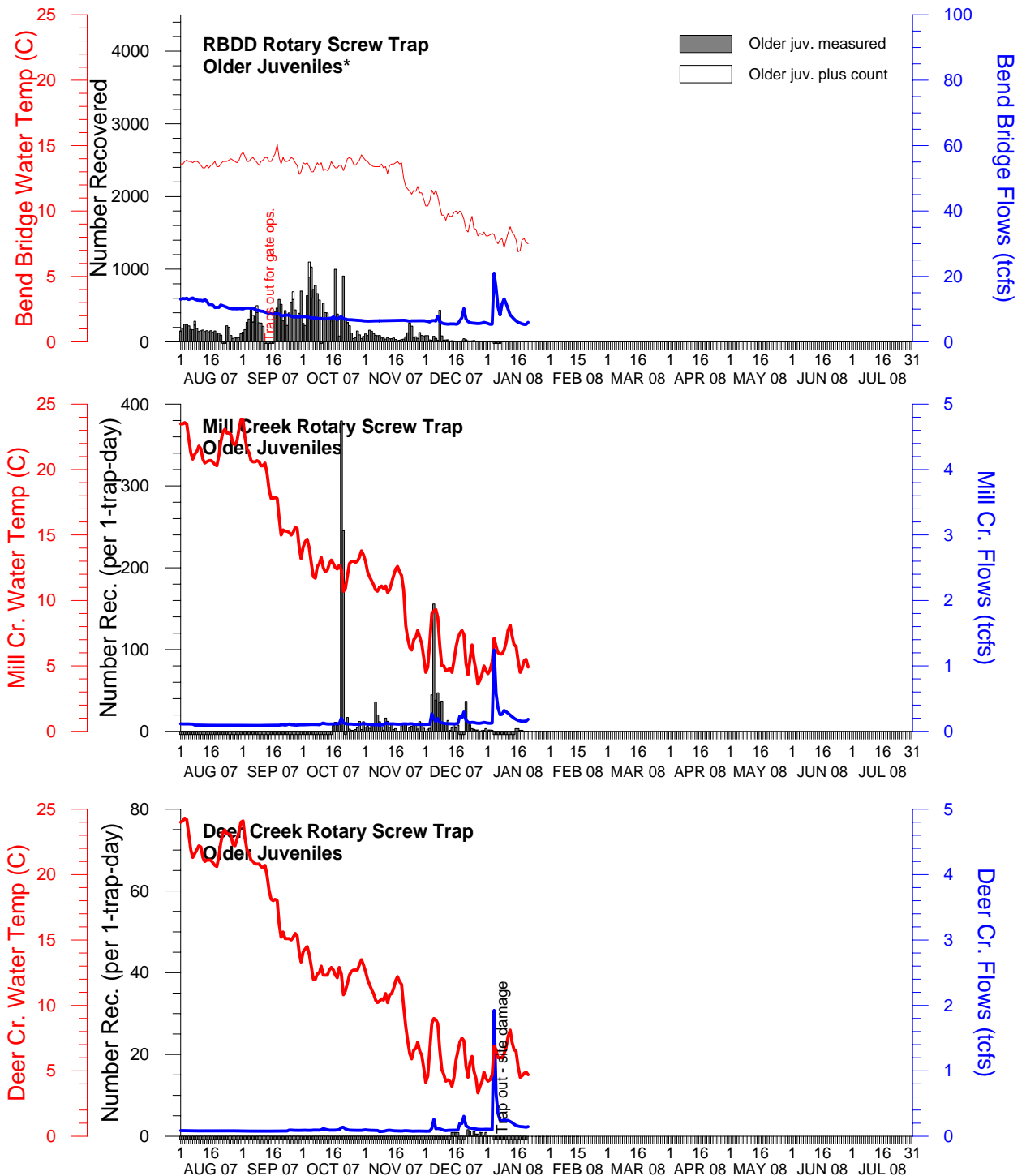
901 P Street, P.O. Box 942836

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NUMBER OF JUVENILE CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

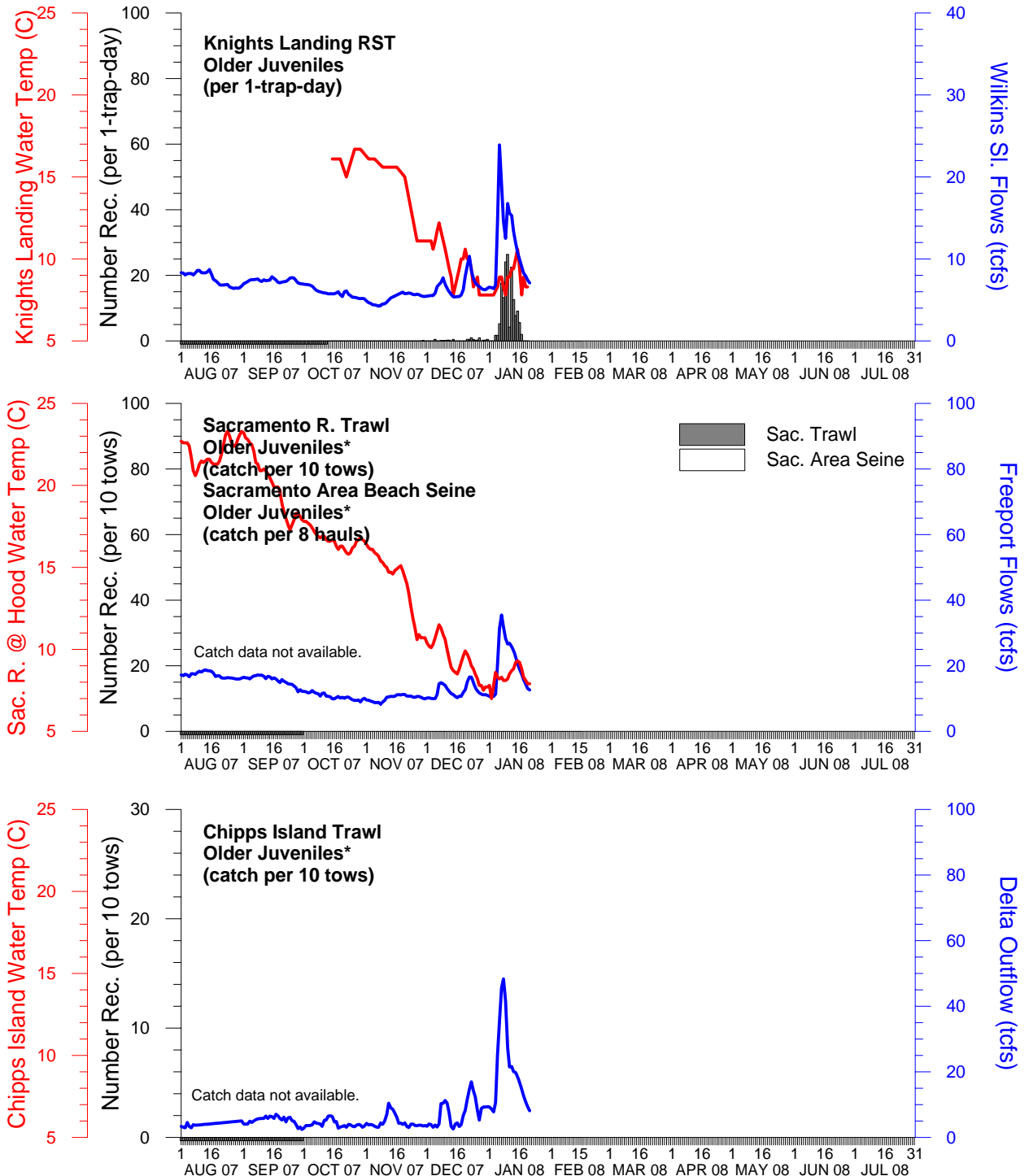


DWR-DES 19 JAN 2008

Preliminary, subject to revision

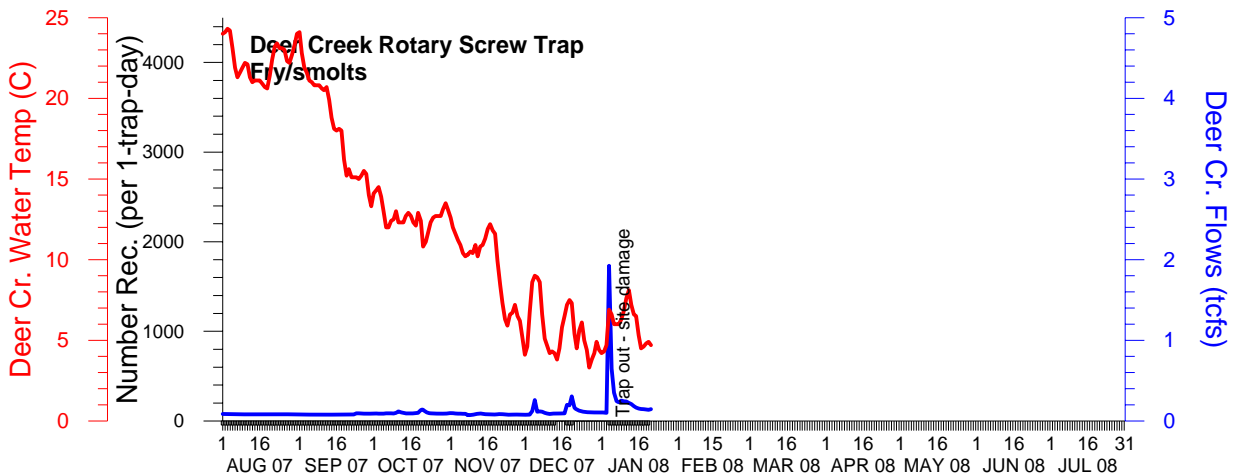
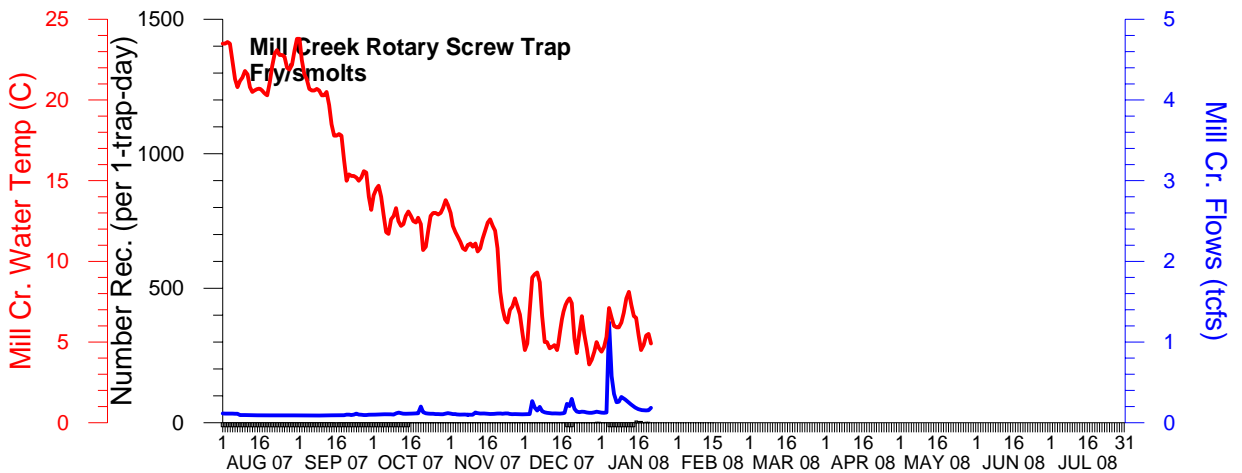
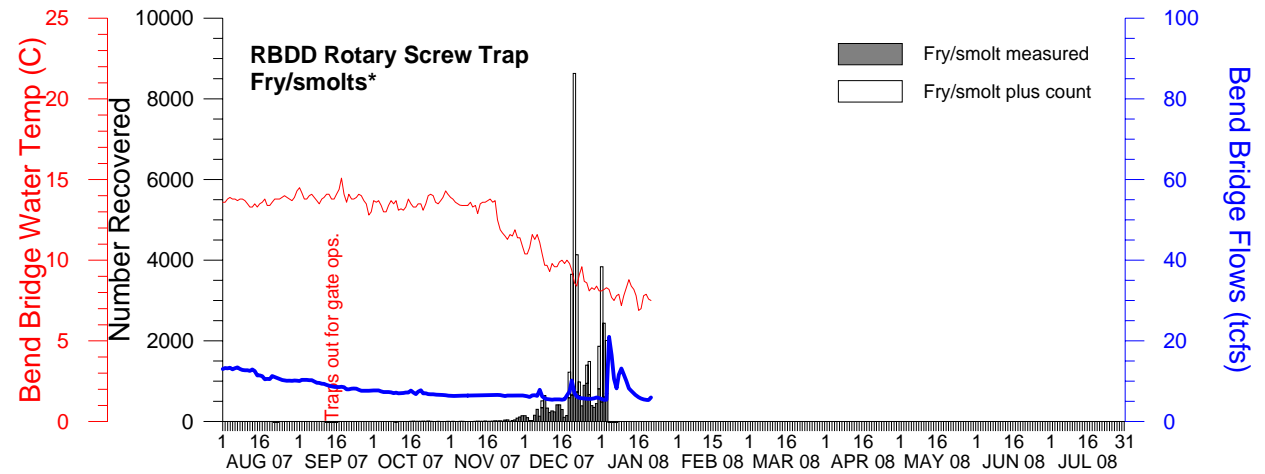
*Older juveniles defined as all Chinook above the minimum winter run length line (Frank Fisher model)

NUMBER OF JUVENILE CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 19 JAN 2008
Preliminary, subject to revision
*Plus counts not included

NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

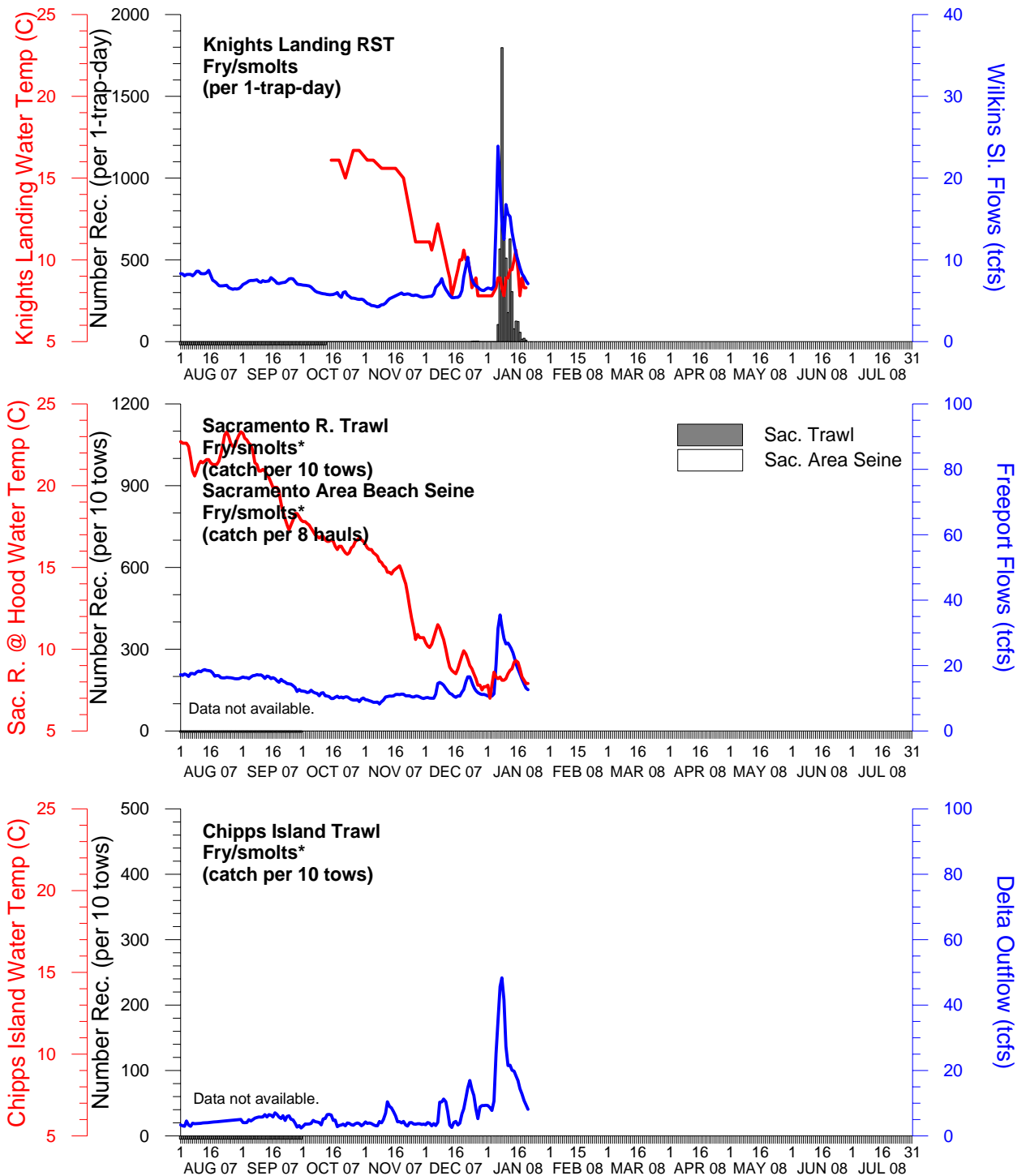


DWR-DES 19 JAN 2008

Preliminary, subject to revision

*Fry/smolts defined as all Chinook below the minimum winter run length line (Frank Fisher model)

NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 19 JAN 2008
 Preliminary, subject to revision
 *Plus counts not included

Data Acquisition:

All the data is preliminary and subject to revision.

The catch data for RBDD, Sacramento River Trawl, Sacramento Area Beach Seine, and Chipps Island were obtained from the BDAT website: <http://baydelta.ca.gov> .

The catch data for Mill and Deer creeks were obtained directly from DFG, Red Bluff Juvenile Salmon Monitoring Project.

The catch data for Knights Landing were obtained directly from DFG, Native Anadromous Fish & Watershed Branch.

The hydrology data were obtained from either the CDEC or BDAT websites: <http://cdec.water.ca.gov> or <http://baydelta.ca.gov>.

Project Offices:

Mill Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

Deer Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

RBDD - USFWS, Red Bluff Fish & Wildlife Office

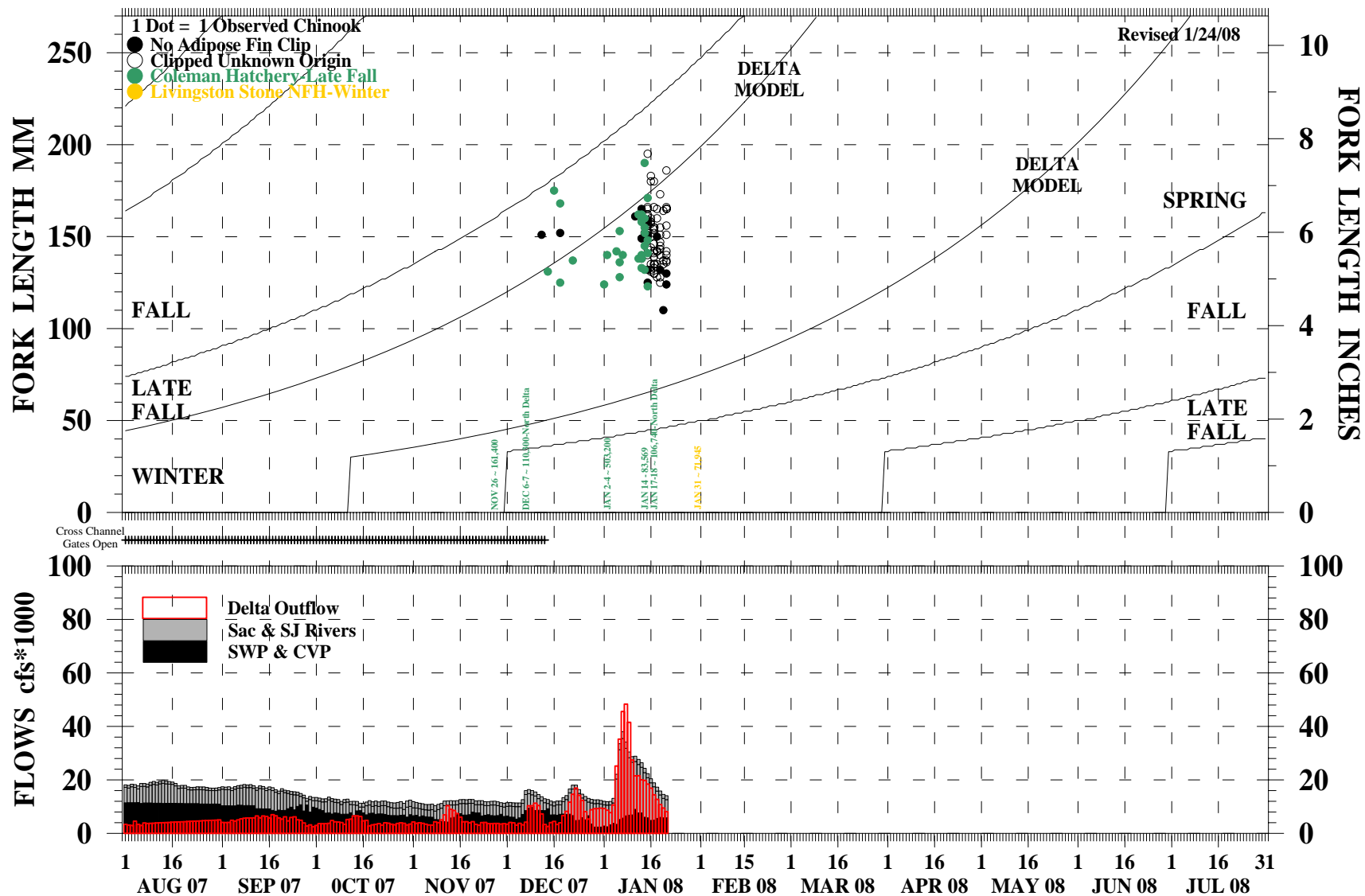
Knights Landing - DFG, Native Anadromous Fish & Watershed Branch

Sacramento Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring

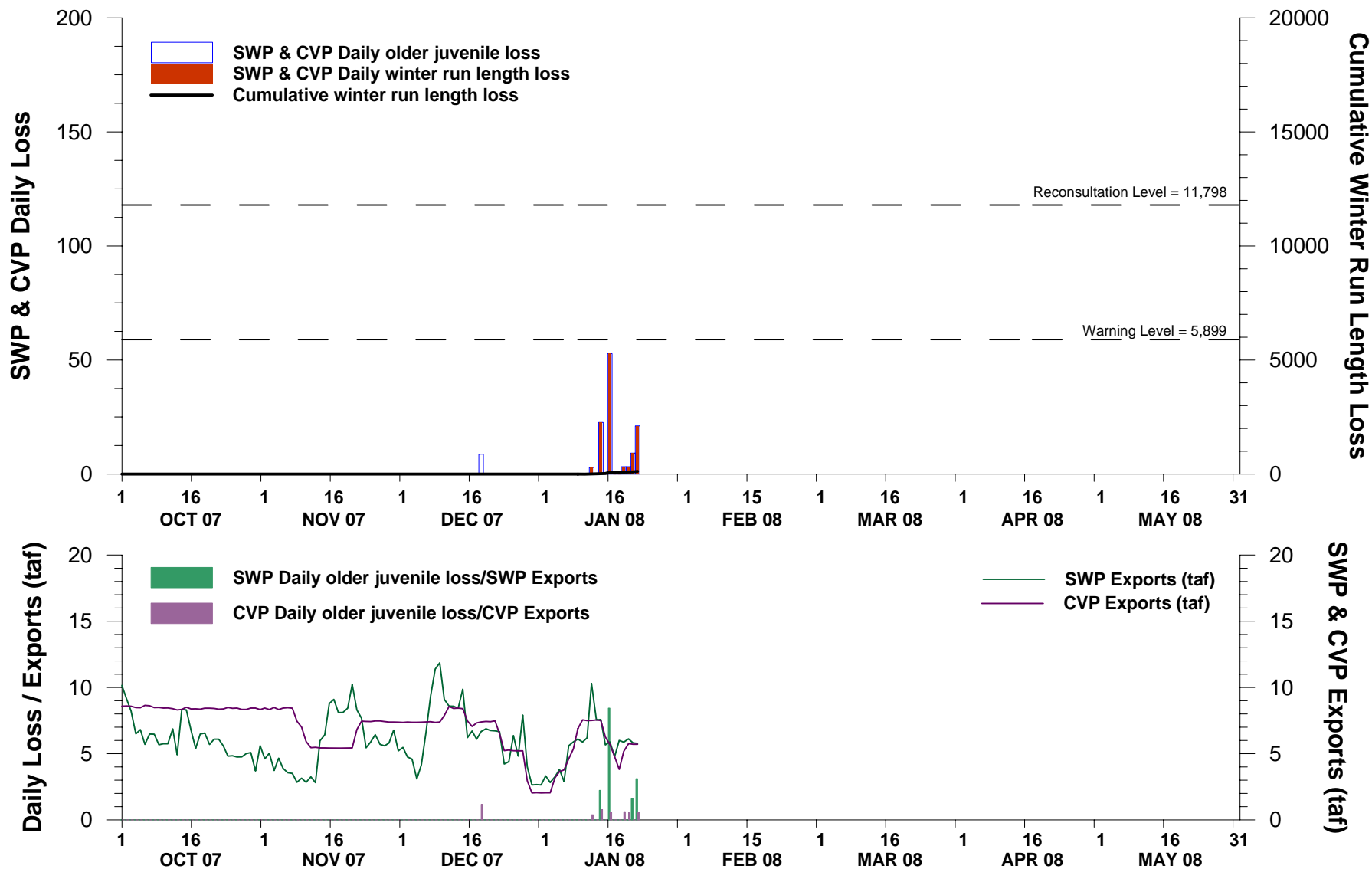
Sacramento Area Beach Seine - USFWS, Stockton Office Juvenile Salmon Monitoring Project

Chipps Island Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring Project

OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/07 THROUGH 1/21/08



WINTER RUN & OLDER JUVENILE CHINOOK LOSS AT THE DELTA FISH FACILITIES 01 OCT 2007 THROUGH 21 JAN 2008



**Coleman Hatchery Late-Fall and Livingston Stone Winter Chinook Loss at the Delta Fish Facilities,
2007/2008**

Release Date	Cwtrace	Release Site	Loss	Release Number	% Loss	Yellow Light	Red Light	Date of First Loss	Date of Last Loss
11/26/07	LF	Battle Creek	15.4	161,400	0.01	0.5%	1.0%	12/16/07	1/7/08
12/6/07	LF	Georgiana Sl.	65.1	72,400	0.09	n/a	n/a	12/14/07	1/15/08
12/7/07	LF	Ryde	14.7	37,900	0.04	n/a	n/a	12/18/07	1/12/08
1/2-4/08	LF	Battle Creek	88.8	503,200	0.02	n/a	n/a	1/12/08	1/15/08
		Lost tag/No tag	3.2						
		Unknown	525.4						

For Chinook lost 10/1/2007 through 1/21/2008

SWP Tags read 10/1/2007 through 1/15/2008

CVP Tags read 10/1/2007 through 1/14/2008

Revised 1/24/2008

Salmon Salvage and Loss

From 01-Oct-07 to 21-Jan-08

=====					
LateFall run at CVP facility		Adipose Clipped		Not Clipped	
		~~~~~		~~~~~	
	SampleDate	Salvage	Loss	Salvage	Loss
-----					
	12/12/2007	0	0	0	0
	12/16/2007	12	9	0	0
	12/18/2007	12	9	12	9
	01/14/2008	4	3	0	0
	01/15/2008	4	3	0	0
	01/17/2008	4	4	0	0
	01/21/2008	4	3	0	0
Sum of LateFall run at CVP		40	30	12	9
-----					
Winter run at CVP facility		Adipose Clipped		Not Clipped	
		~~~~~		~~~~~	
	SampleDate	Salvage	Loss	Salvage	Loss

	12/14/2007	12	8	0	0
	12/18/2007	12	9	0	0
	12/22/2007	4	3	0	0
	01/01/2008	4	4	0	0
	01/02/2008	4	4	0	0
	01/05/2008	4	4	0	0
	01/06/2008	12	10	0	0
	01/07/2008	4	3	0	0
	01/11/2008	0	0	4	3
	01/12/2008	8	6	0	0
	01/13/2008	24	17	8	6
	01/14/2008	24	19	0	0
	01/15/2008	40	32	4	3
	01/16/2008	12	10	0	0
	01/17/2008	20	18	0	0
	01/18/2008	20	16	4	3
	01/19/2008	24	19	4	3
	01/20/2008	8	6	0	0
	01/21/2008	16	13	4	3
Sum of Winter run at CVP		252	199	28	21

Sum of all races at CVP		292	230	40	30
=====					

LateFall run at SWP facility		Adipose Clipped		Not Clipped	
		~~~~~		~~~~~	
	SampleDate	Salvage	Loss	Salvage	Loss
-----					
	01/16/2008	6	27	0	0
Sum of LateFall run at SWP		6	27	0	0
-----					
Winter run at SWP facility		Adipose Clipped		Not Clipped	
		~~~~~		~~~~~	
	SampleDate	Salvage	Loss	Salvage	Loss

	01/13/2008	4	17	4	17
	01/14/2008	3	14	0	0
	01/15/2008	21	95	11	50
	01/16/2008	21	95	0	0
	01/17/2008	25	114	0	0
	01/18/2008	3	14	0	0
	01/19/2008	6	27	0	0
	01/20/2008	2	9	2	9
	01/21/2008	16	72	4	18
Sum of Winter run at SWP		101	456	21	94

Sum of all races at SWP		107	483	21	94
Total for 10/1/2007 to 1/21/2008		399	712	61	124

Steelhead Salvage

From 01-Oct-07 to 21-Jan-08

CVP facility	SampleDate	Adipose Clipped	Not Clipped
	11/08/2007	0	0
	01/18/2008	0	4
	01/20/2008	4	8
	01/21/2008	8	0
Sum of Steelhead at CVP		12	12
<hr/>			
Total for 10/1/2007 to 1/21/2008		12	12

Special Species Salvage

From 23-Nov-07 to 18-Jan-08

=====					
Delta Smelt	SWP			CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet
	01/11/2008	0		4	7505
	01/17/2008	6	5993	0	
Total for Delta Smelt		6	5993	4	7505
=====					
Longfin Smelt	SWP			CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet
	12/18/2007	0		12	7392
Total for Longfin Smelt		0		12	7392
=====					
Splittail	SWP			CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet
	11/23/2007	9	5437	0	
	11/25/2007	6	6424	0	
	11/26/2007	3	5699	0	
	11/28/2007	3	5791	0	
	01/02/2008	4	2819	0	
	01/06/2008	12	5600	0	
	01/07/2008	0		4	5355
	01/08/2008	3	6094	0	
	01/09/2008	24	5873	16	7553
	01/10/2008	0		4	7495
	01/11/2008	0		16	7505
	01/12/2008	0		12	7543
	01/13/2008	4	7575	4	7501
	01/14/2008	2	5664	4	6253
	01/15/2008	1	5879	0	
	01/17/2008	36	5993	0	
	01/18/2008	3	5859	0	
Total for Splittail		110	74707	60	49205